

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: MITANI et al.
Serial No.: Not yet assigned
Filed: On even date
For: A SEMICONDUCTOR DEVICE
Group: 2818
Examiner: D. Nhu

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

February 28, 2002

Sir:

The following amendments and remarks are respectfully
submitted prior to the Rule 53(b) Divisional Application filed
on even date.

IN THE SPECIFICATION

Please insert before the first line of the specification
the following:

-- This is a divisional of application of Serial No.
09/554,754, filed May 19, 2000, the entire disclosure of which
is hereby incorporated by reference. --

IN THE CLAIMS

Please cancel claims 1-11 without prejudice or disclaimer
of the subject matter thereof.

REMARKS

Entry of this amendment prior to examination is respectfully requested.

By the present amendment, the required reference to the parent application is provided in accordance with 37 C.F.R. 1.78. Also, claims 1-11 have been cancelled, leaving claims 12-18 for examination. It is noted that claims 12-18 were restricted from claims 1-11 by the restriction requirement dated August 2, 2001 in the parent application, and accordingly, claims 12-18, non-elected in the parent application, are presented for examination in this divisional application.

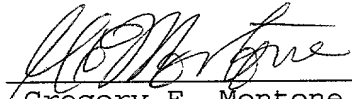
If the Examiner believes that there are any other points which may be clarified or otherwise disposed of, either by telephone discussion or by personal interview, the Examiner is invited to contact applicants' undersigned attorney at the number indicated below.

To the extent necessary, the applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in the fees due in connection with the filing of this

paper, including extension of time fees, to the deposit
account of Antonelli, Terry, Stout & Kraus, Deposit Account
No. 01-2135 (501.38435VX1)

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP



Gregory E. Montone
Registration No. 28,141

GEM/kd
(703) 312-6600

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PROPOSED AMENDMENT TO THE DRAWINGS

Commissioner for Patents
Washington, D.C. 20231

February 28, 2002

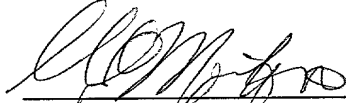
Sir:

It is proposed that the drawings in the above-identified application be amended in accordance with the attached red-lined print, and approval of these drawing corrections is respectfully requested at this time.

Upon receipt of approval of the amendment to the drawings and receipt of the official Notice of Allowance, the drawing amendments will be effected in accordance with the new procedures set forth in 1017 OG 4, April 6, 1982.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP



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Registration No. 28,141

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FIG 2 (A)

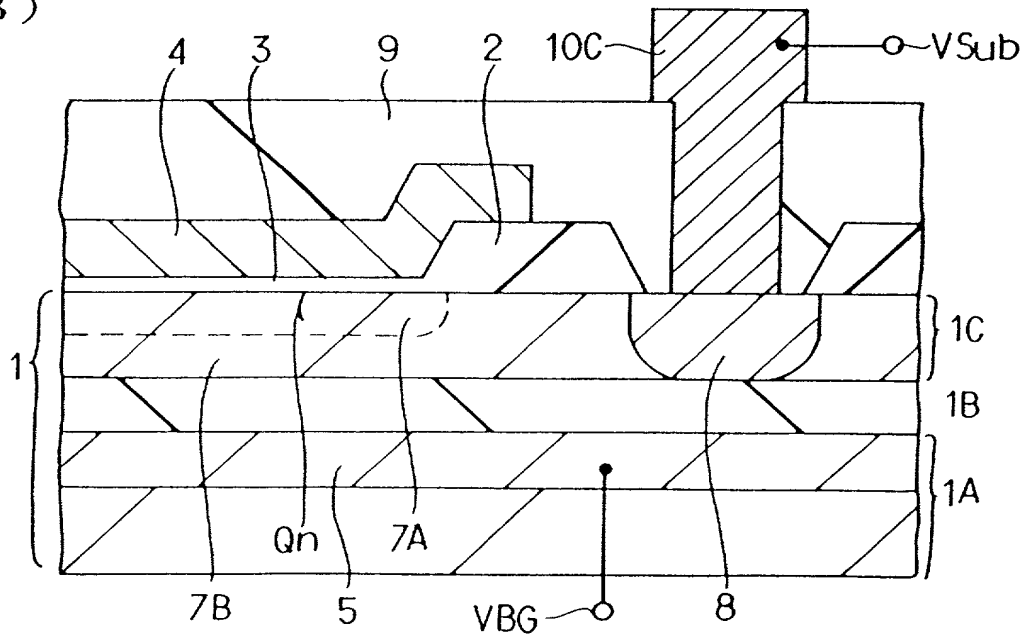
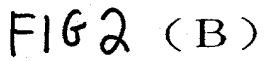


FIG. 3

FIG 3(A)

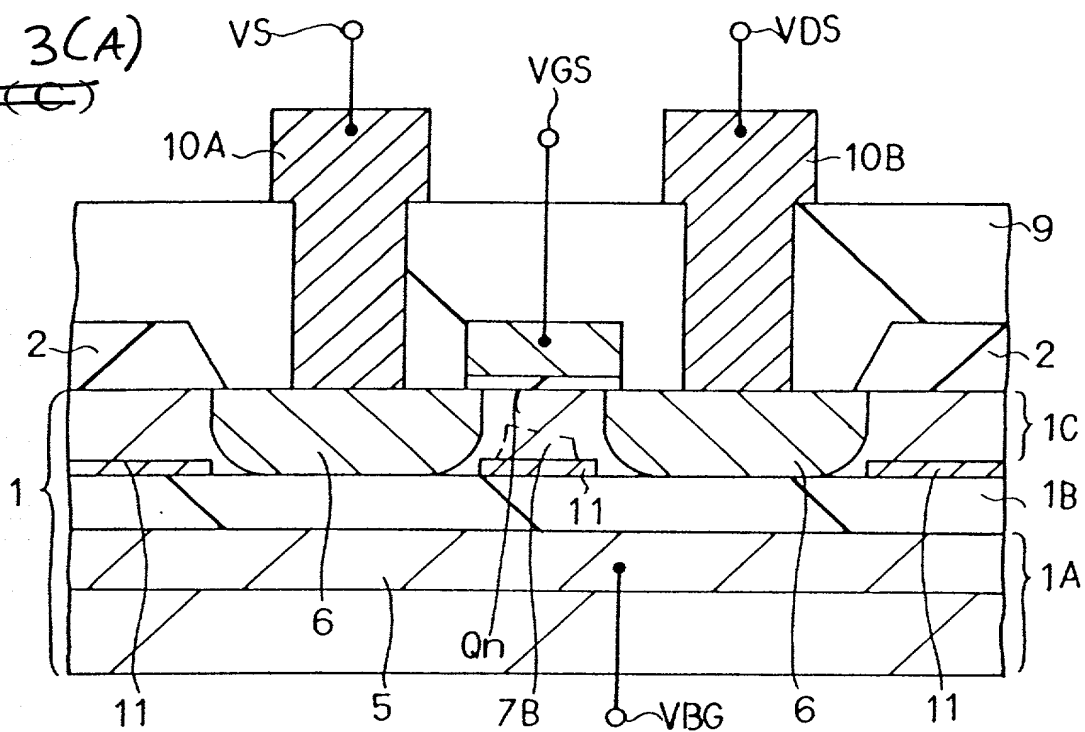
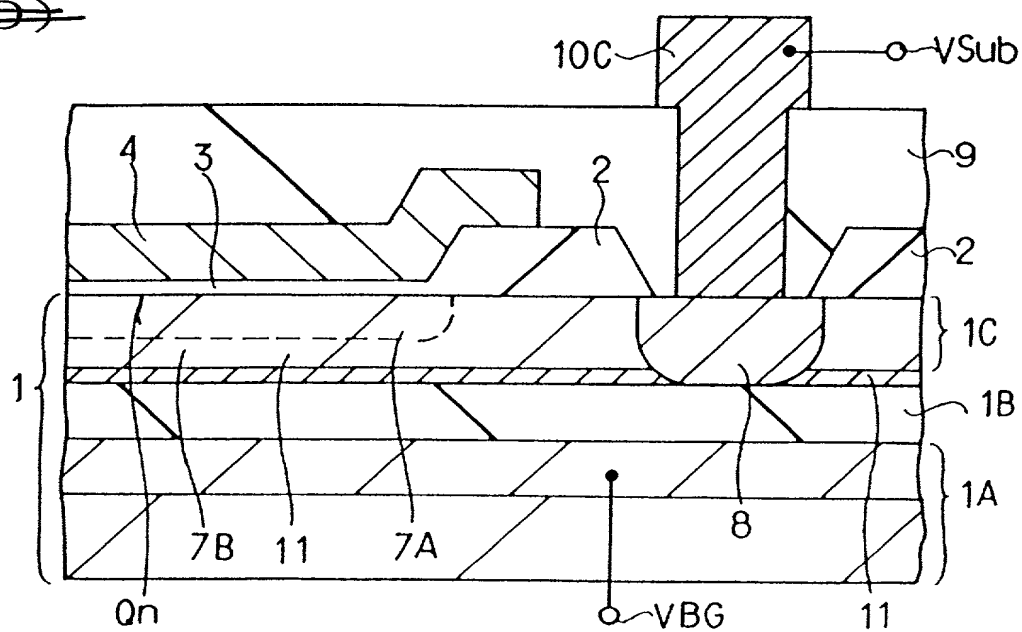


FIG 3(B)



~~FIG. 5~~

FIG 5(A)

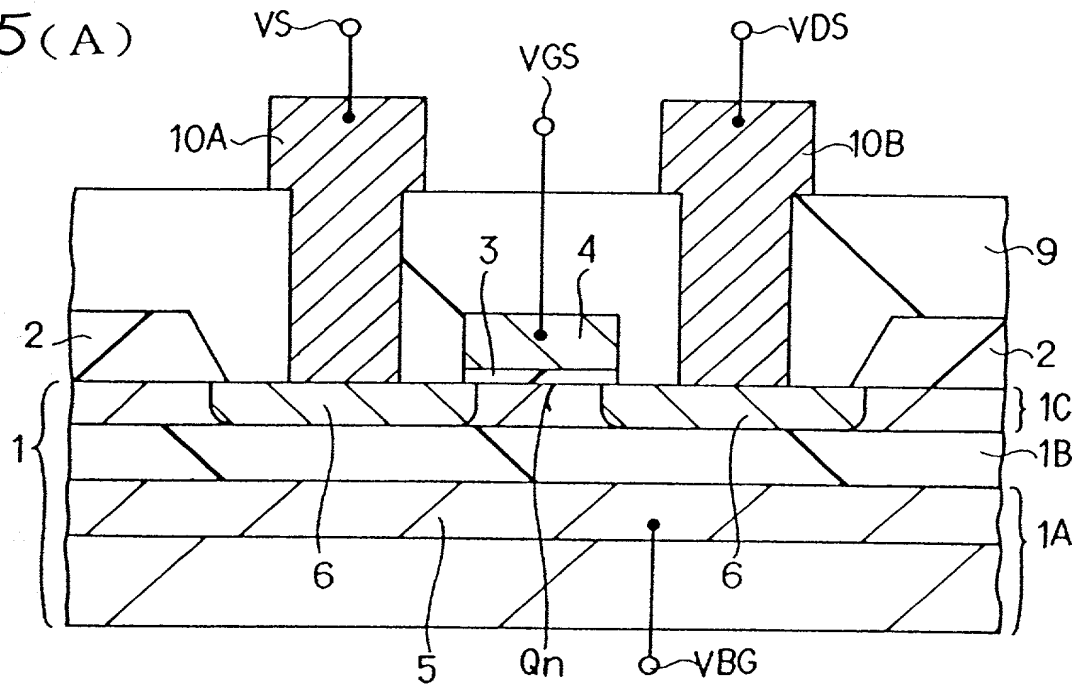


FIG 5(B)

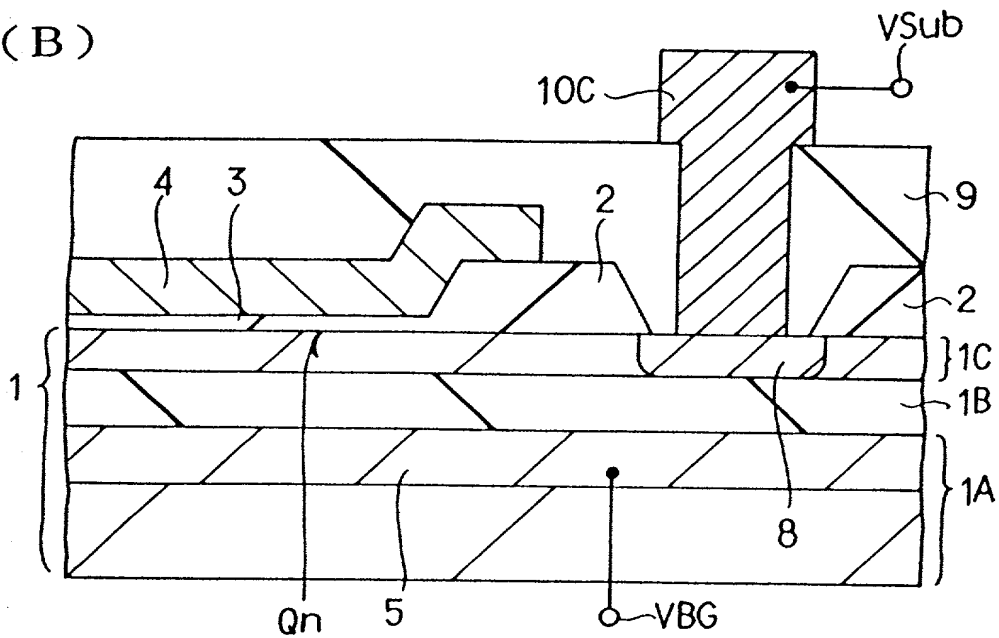


FIG 10(A)

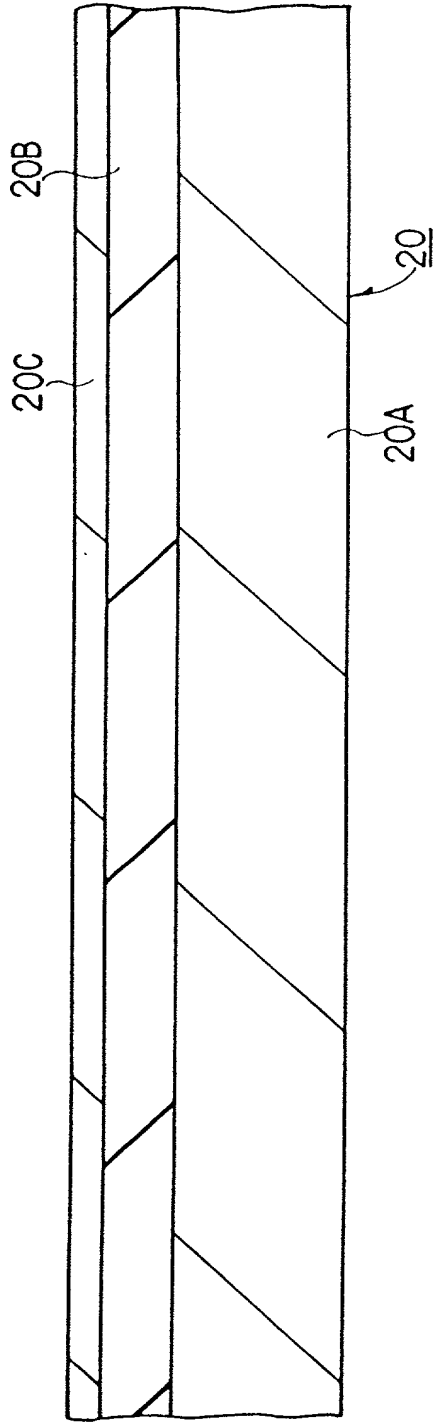


FIG 10(B)

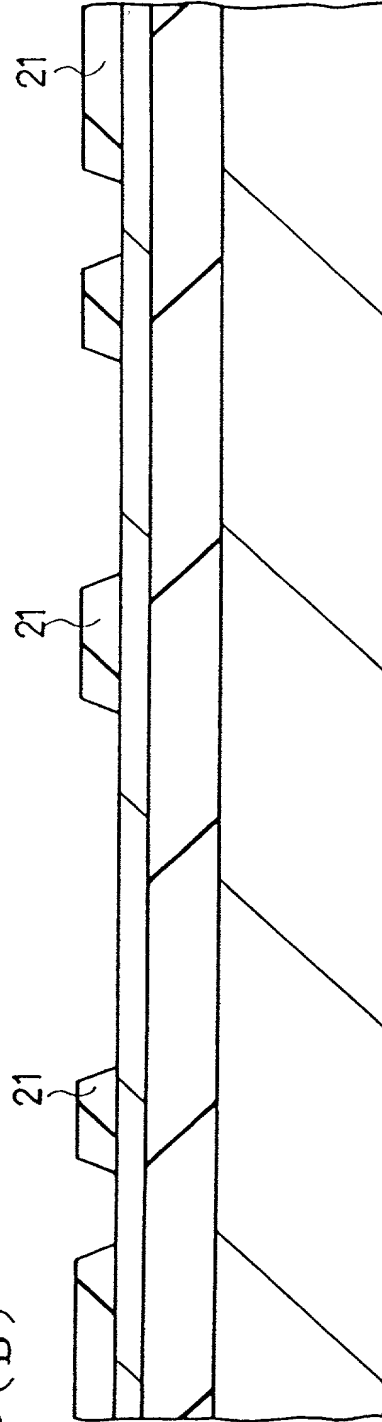


FIG. 10

~~FIG. 11~~

FIG 10(C)

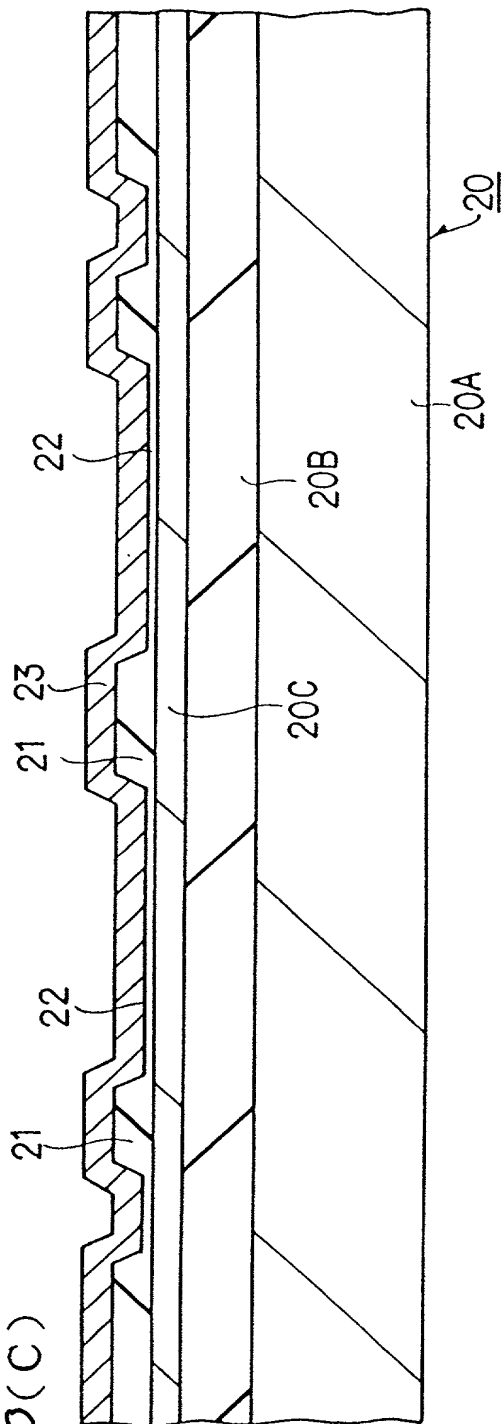


FIG 10 (D)

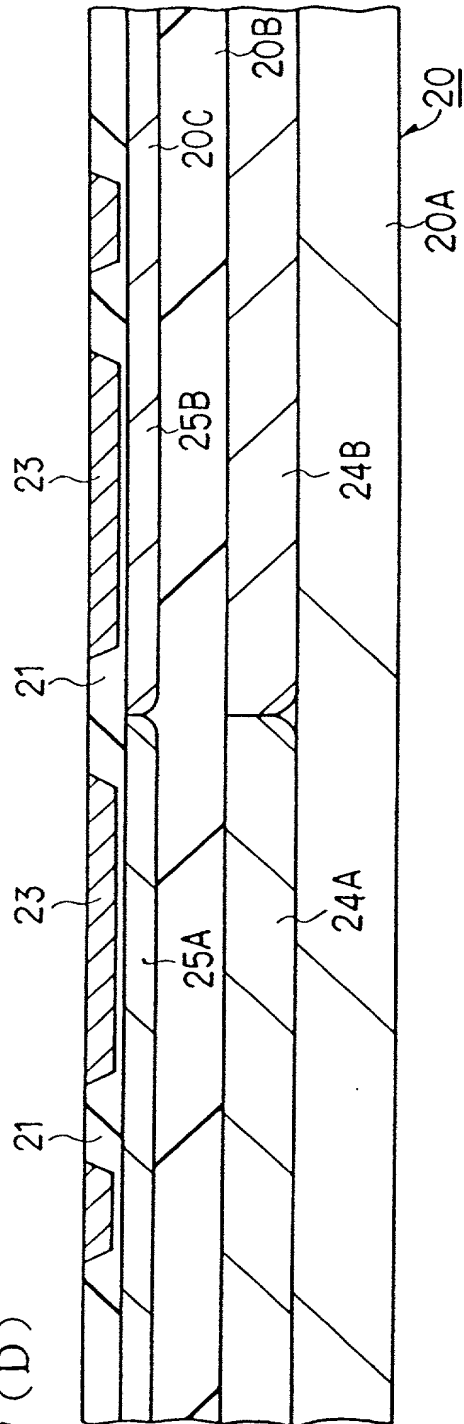


FIG. 12

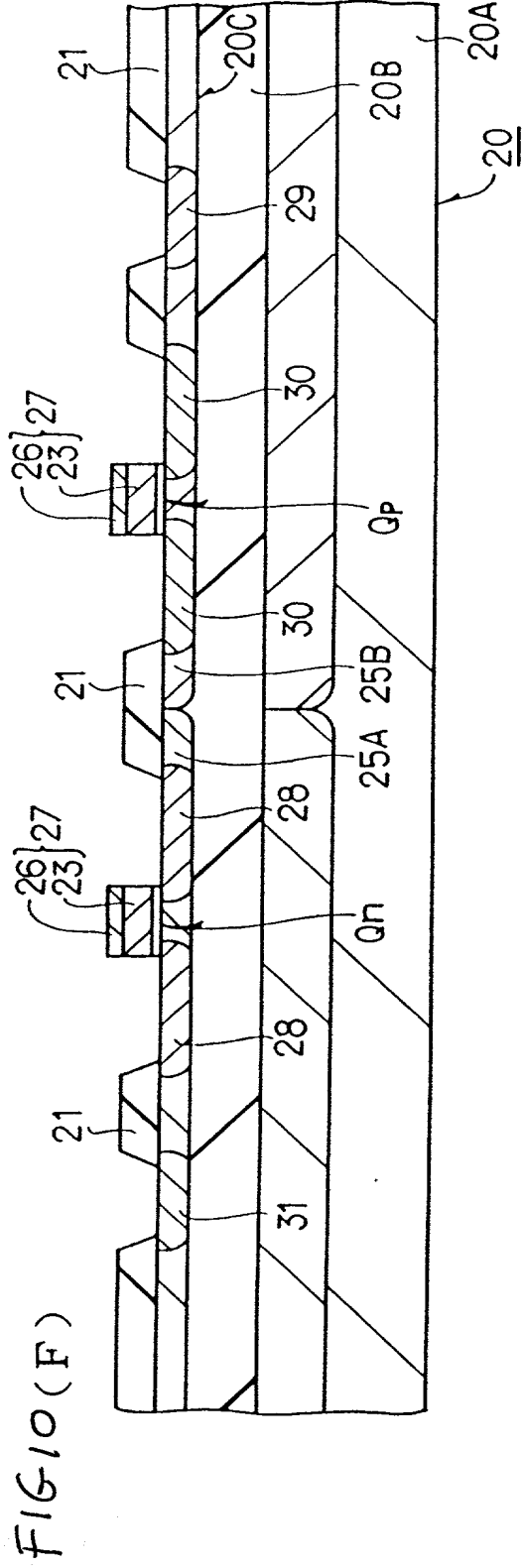
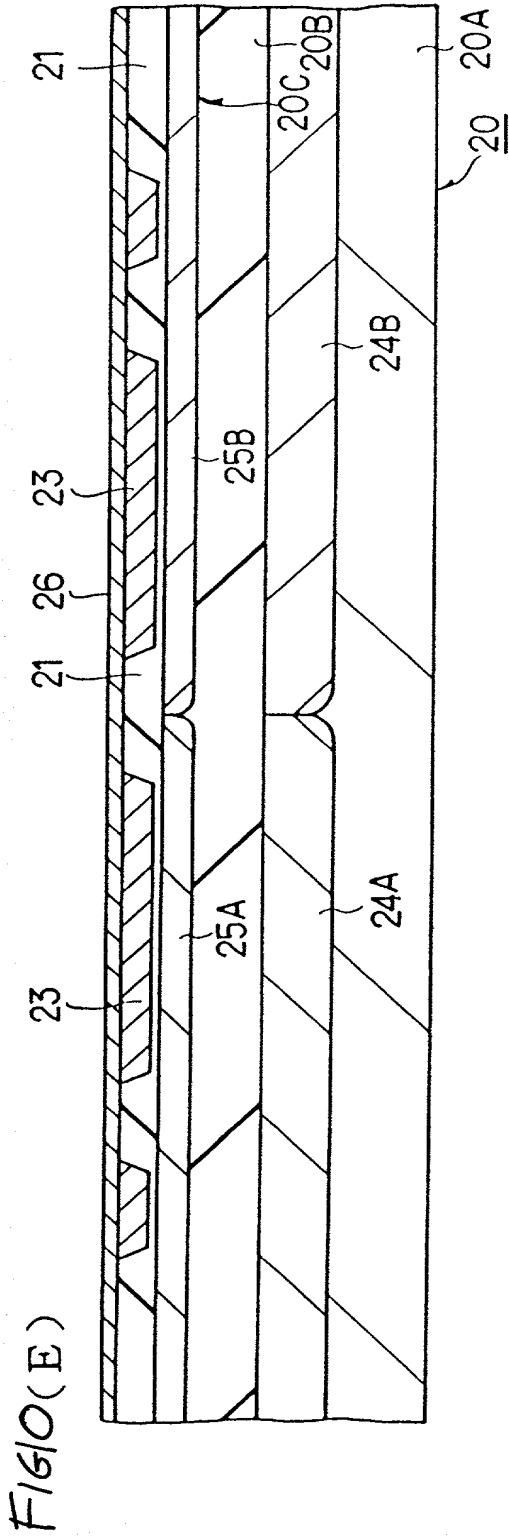


FIG. 11

FIG. 11

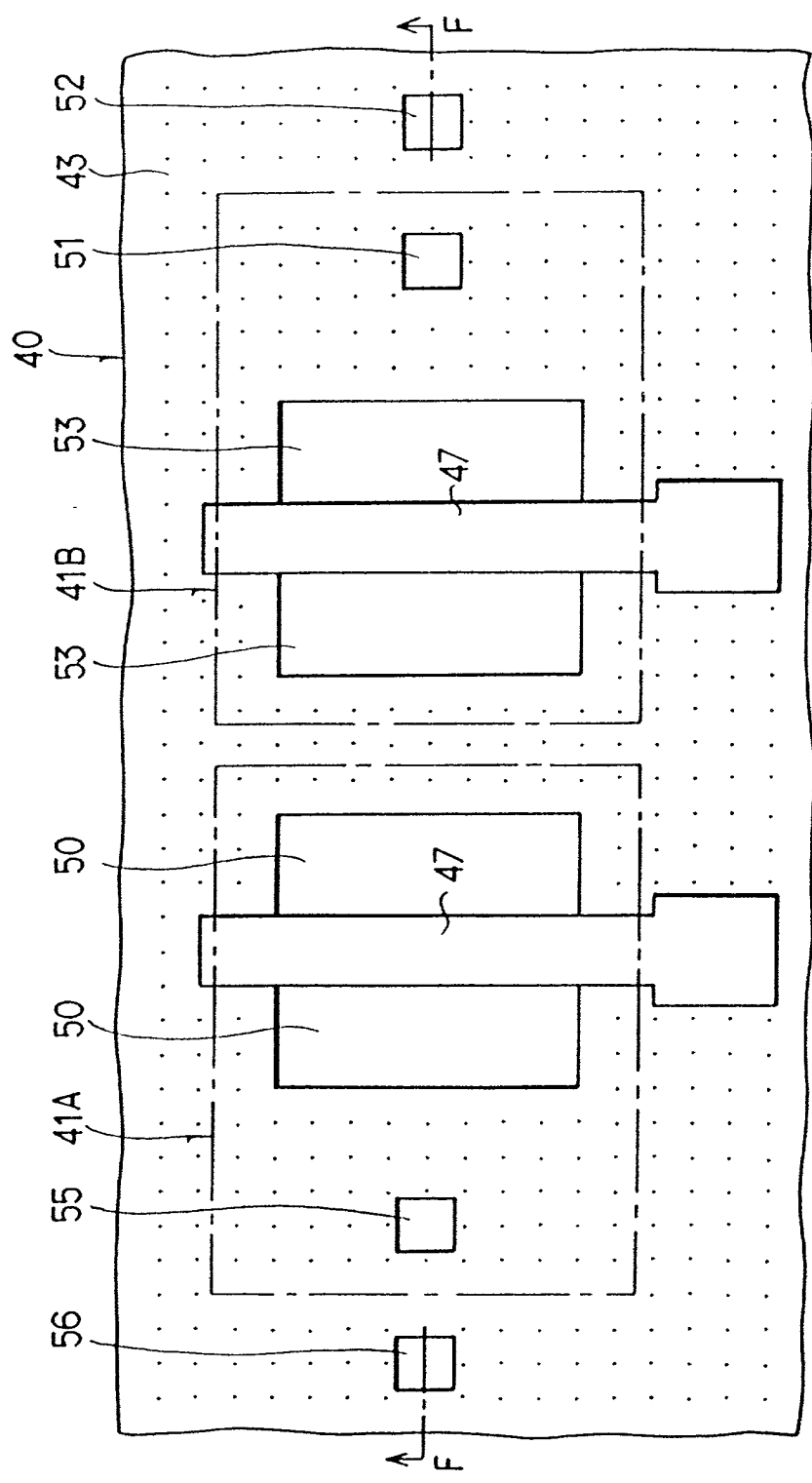


FIG. 12
~~FIG. 14~~

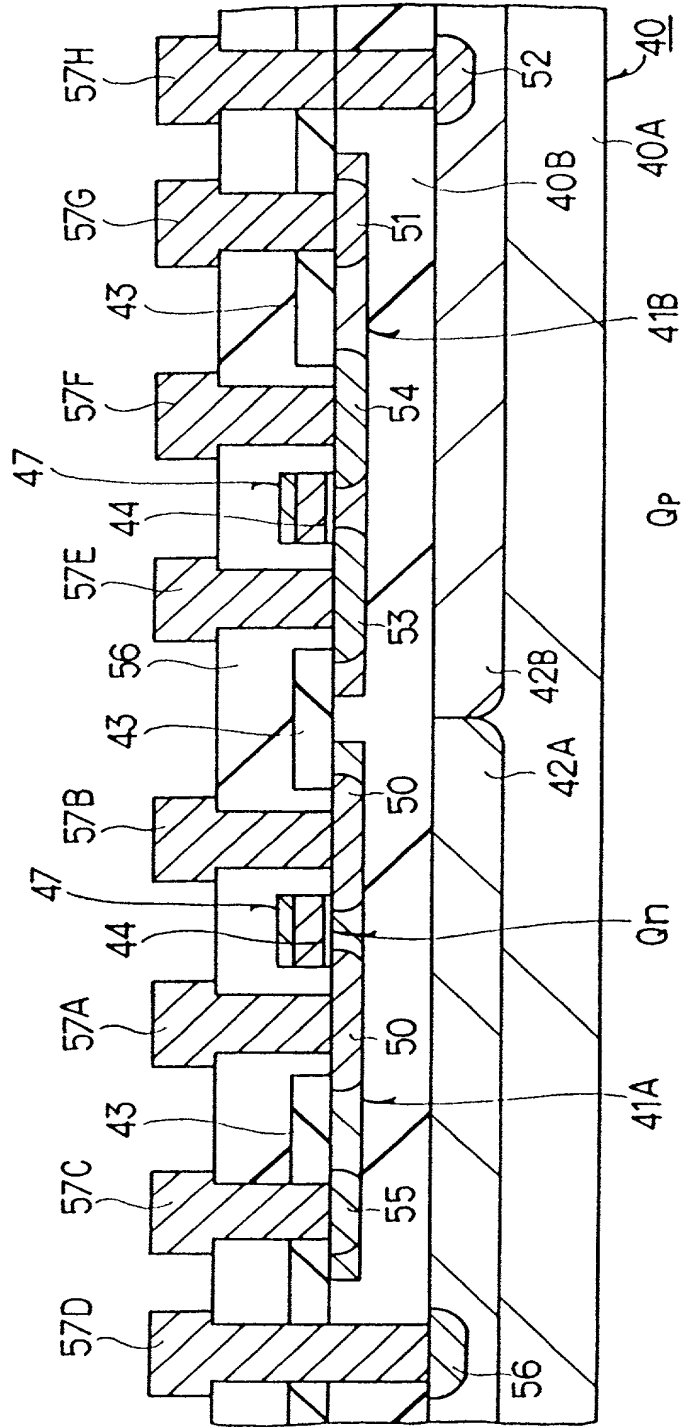


FIG. 15

FIG. 13(A)

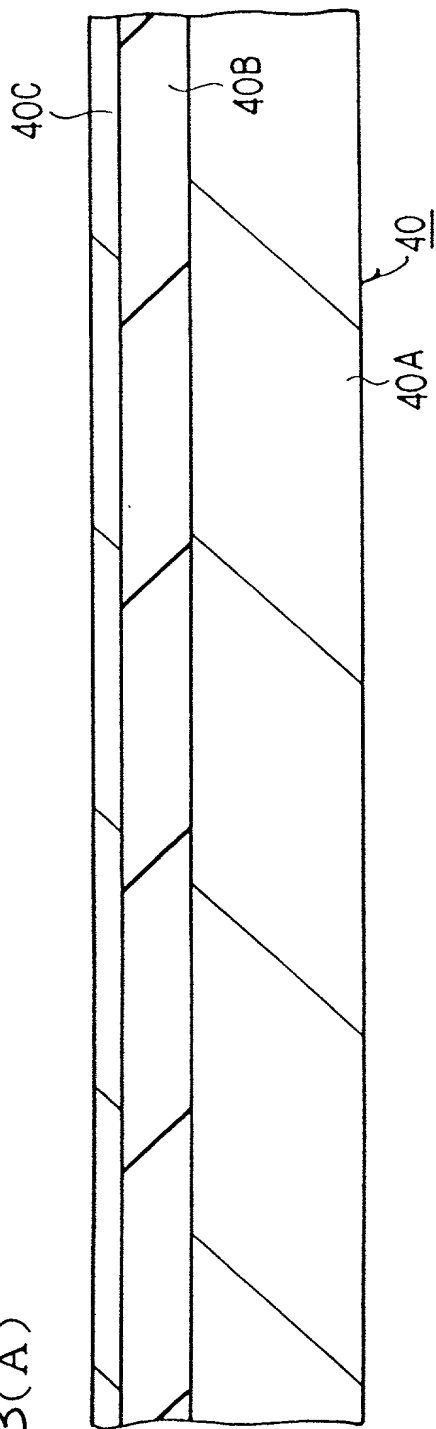


FIG. 13(B)

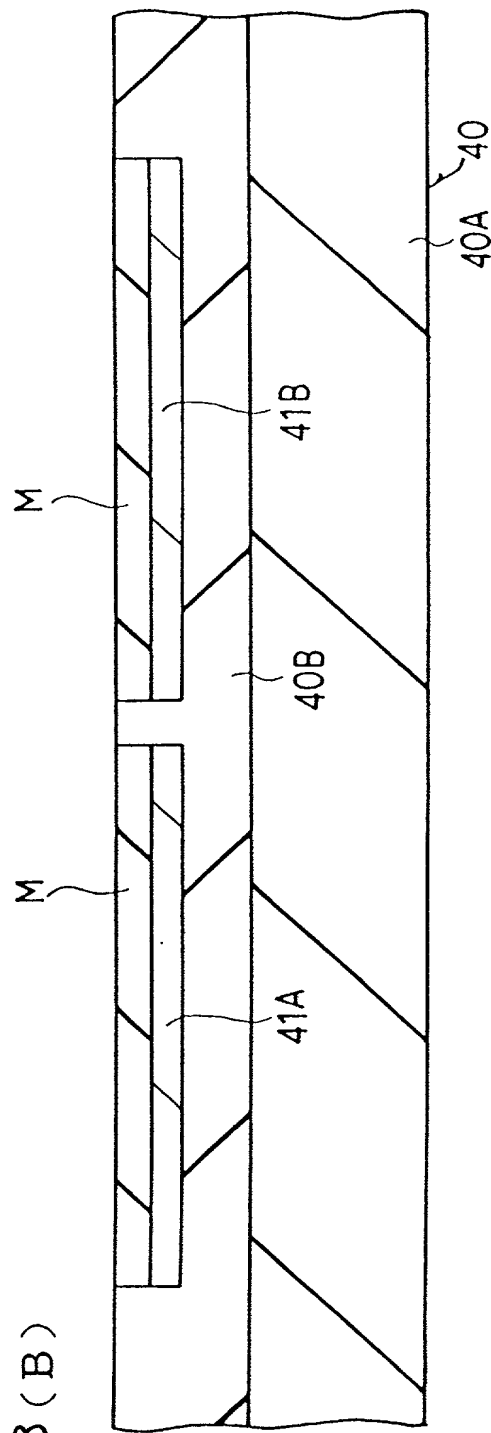


FIG. 10

FIG. 10

FIG 13(C)

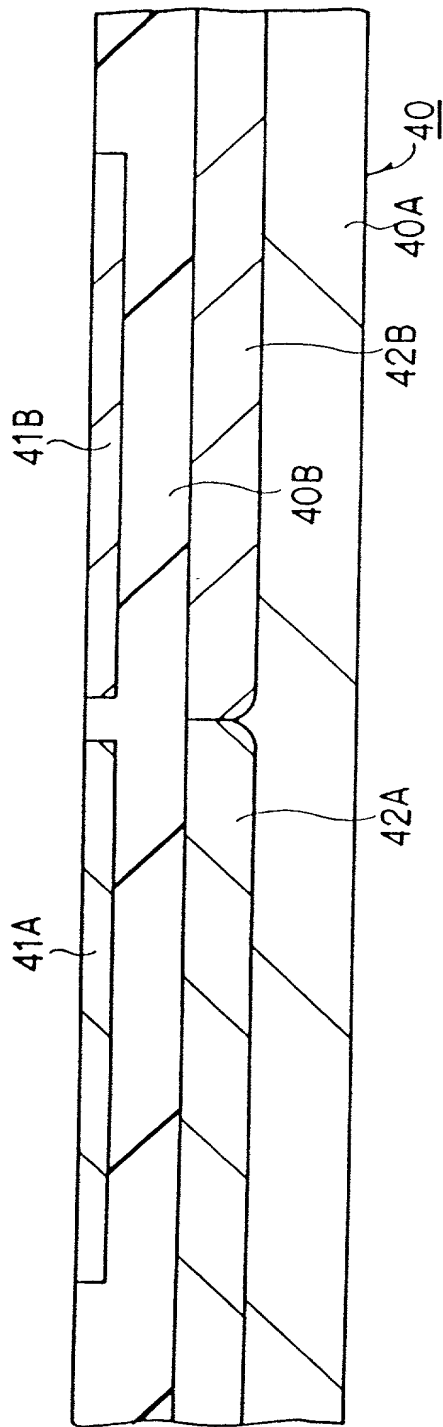


FIG 13(D)

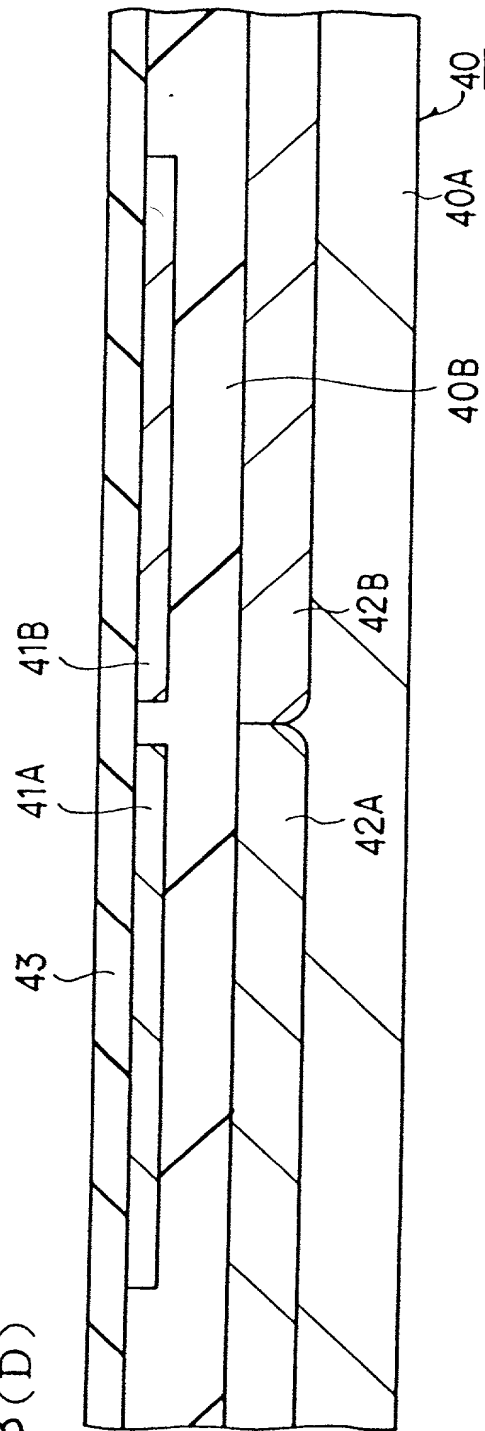


FIG. 17

FIG. 13(E)

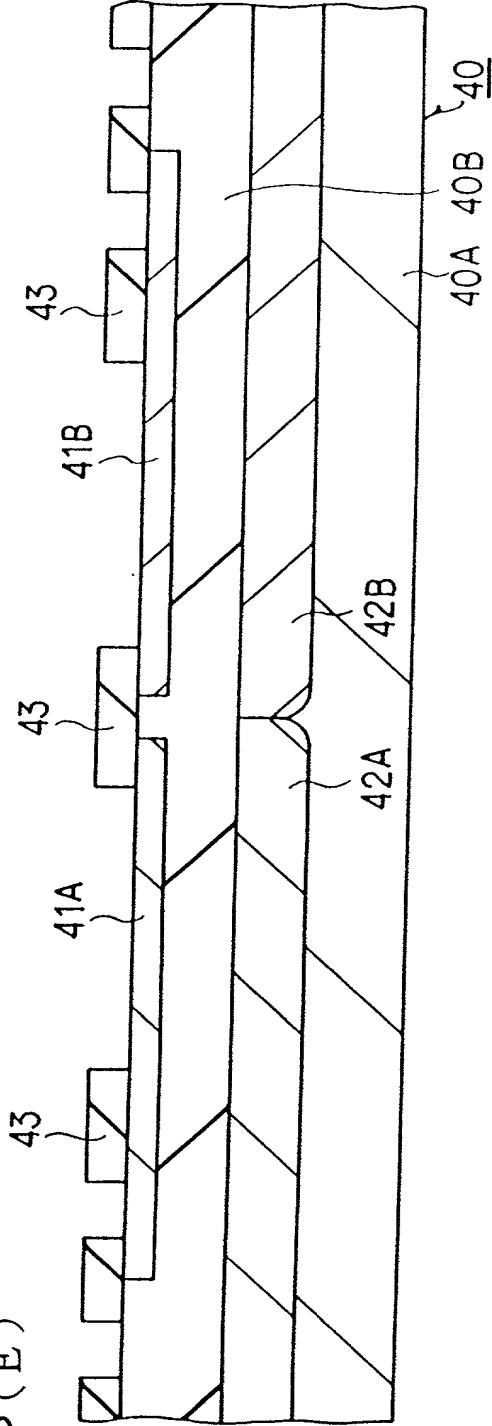


FIG. 13(F)

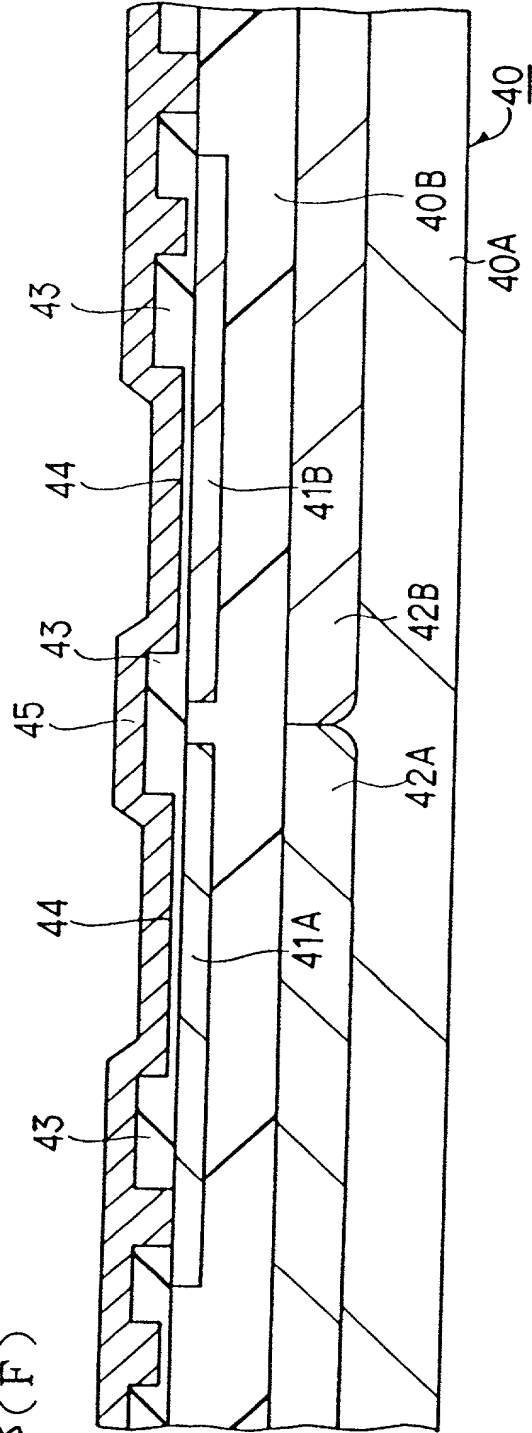


FIG. 18

FIG. 13 (G)

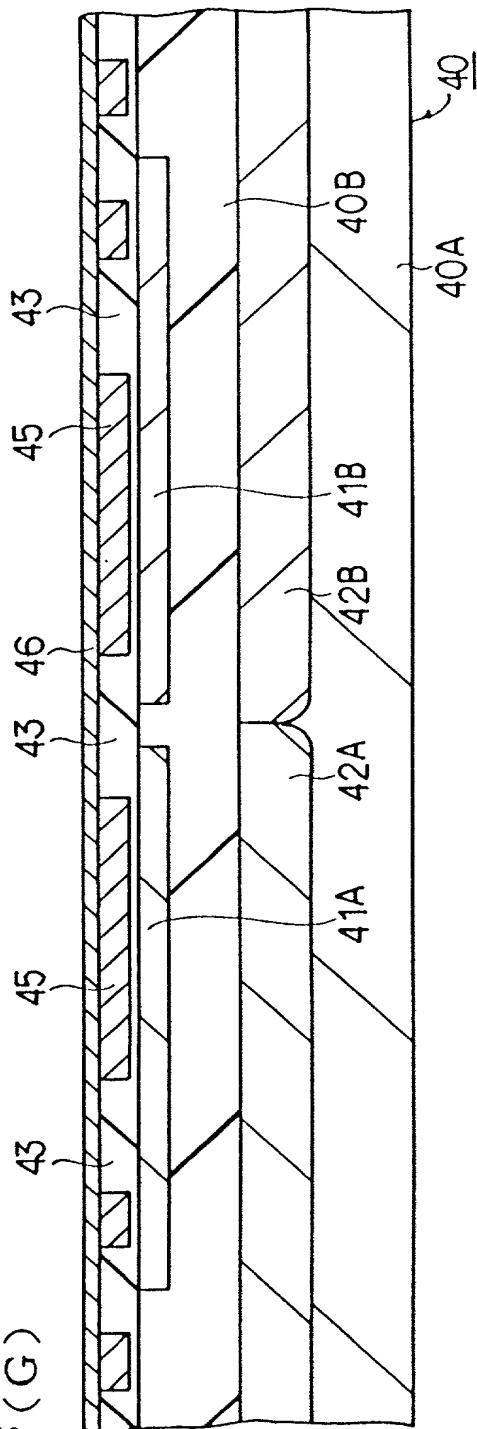
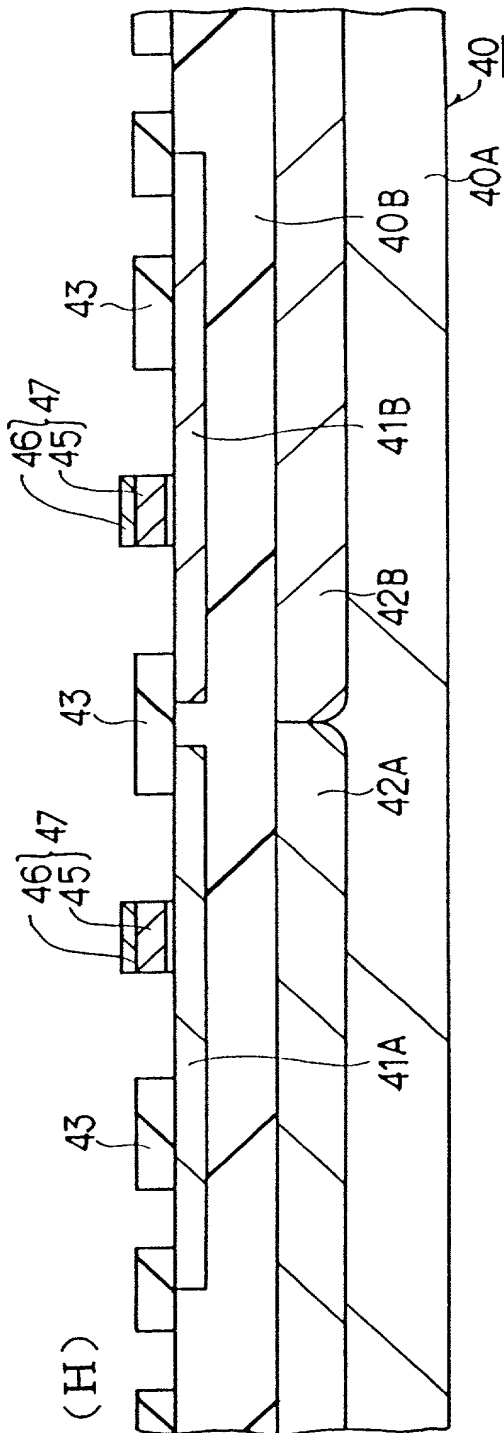
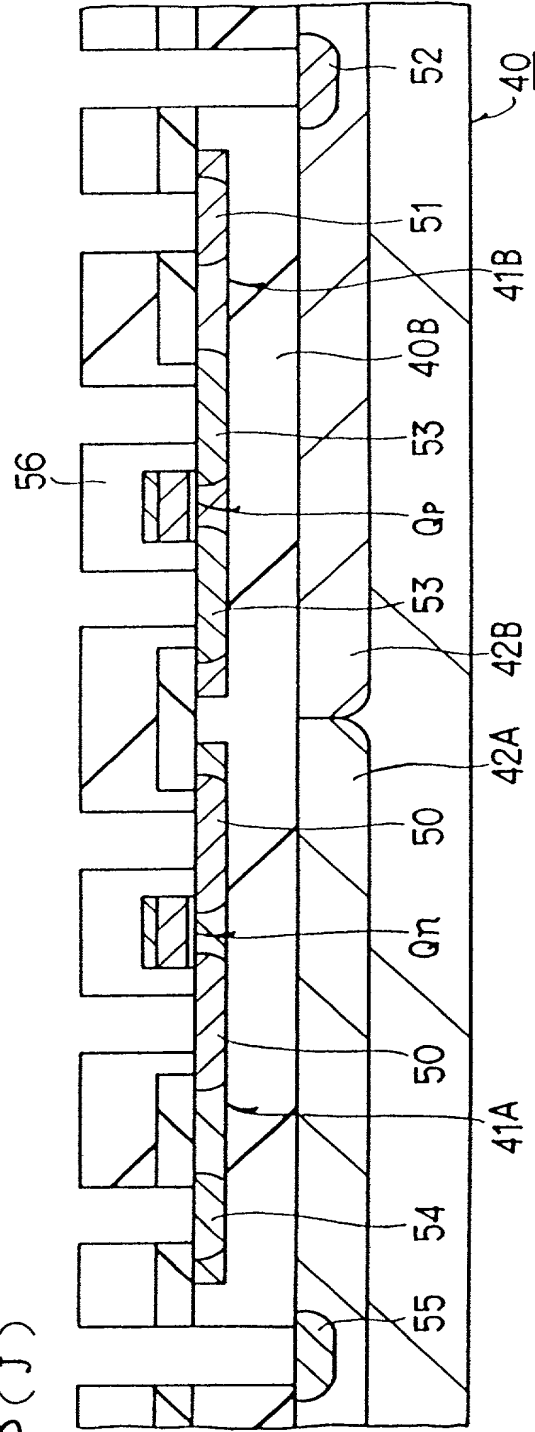


FIG. 13 (H)



F16-13 (1)



15(A)
FIG. ~~21~~

(1) NORMAL OPERATION MODE

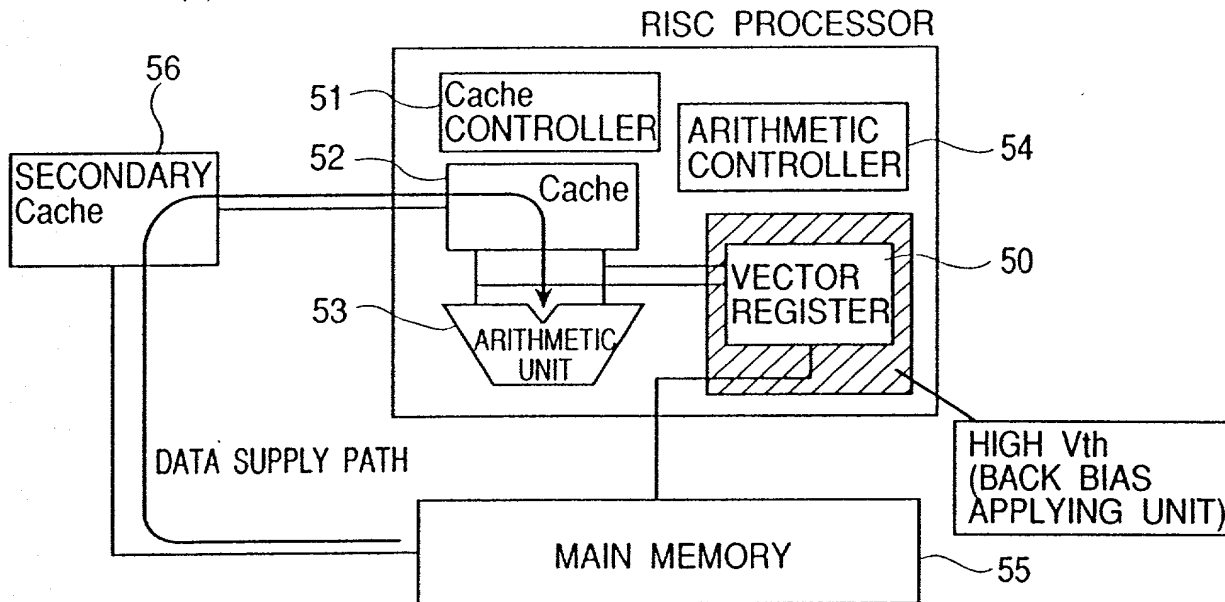


FIG 15(B)

(2) MASS DATA NUMERICAL CALCULATION MODE
(VECTOR COMPUTE MODE)

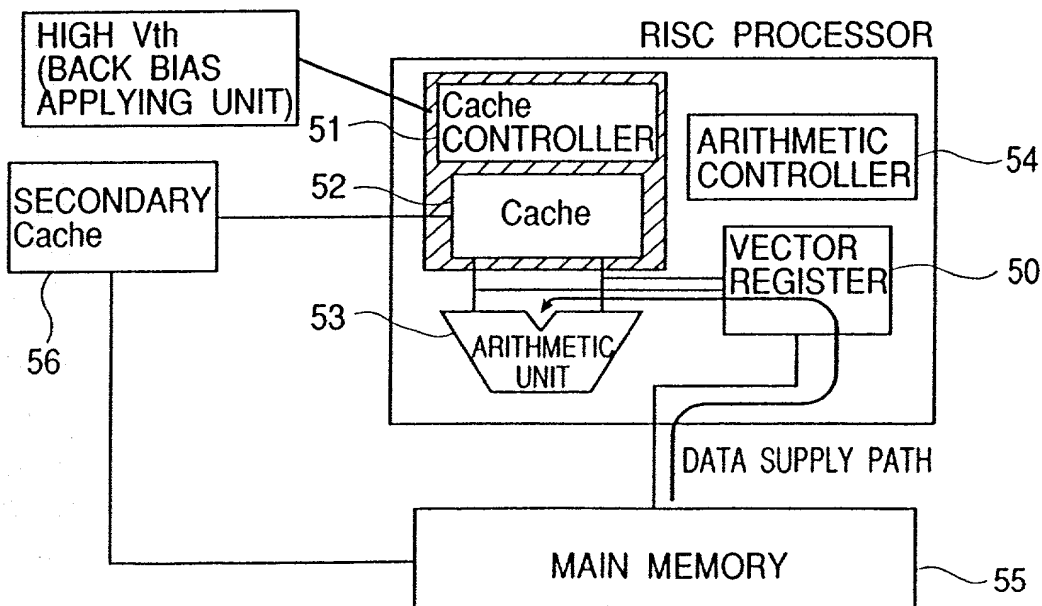


FIG. 16

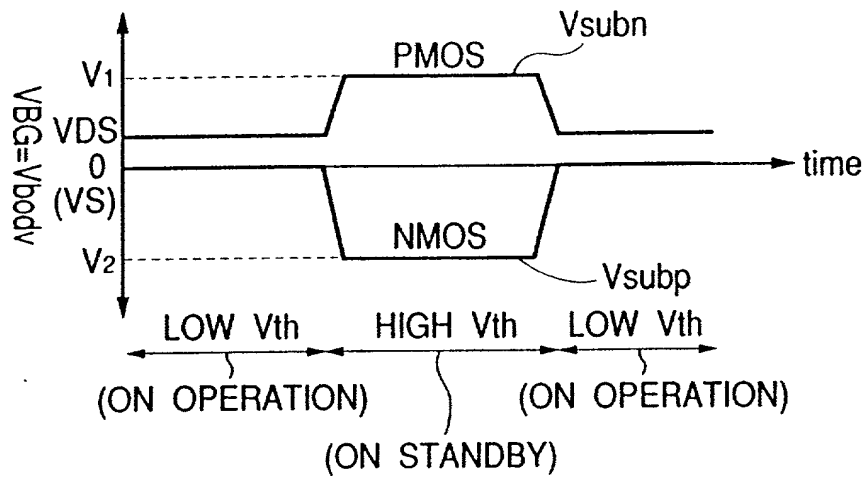


FIG. 17

